

Production of sulfur composite materials from sulfur containing waste for construction applications

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Abstract

Production of high-quality sulfur composite materials with high performance. The physicochemical analysis and quantum chemical studies established that high physical and mechanical properties of the developed materials resulted from a chemical interaction between the components, which favored the formation of a compact homogeneous structure of the material.

Keywords

Aluminum chloride, Physical and chemical parameters, Sulfur composite materials, Sulfur concrete